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# YBOARD HARMONY # AND #\* TRANSPOSITION

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nary Studies in Keyboard Harmony and Transposition

A Preliminary Volume for the earliest grades.

yboard Harmony and Transposition, Volume I.

incipal Triads; the Principal Dissonant Chords; the Secondary Triads;
Passing Notes.

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sions; Anticipations: Modulation; Altered Chords; Organ Point.

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BY

## NNA HEUERMANN-HAMILTON

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# KEYBOARD HARMONY \*\* AND \*\* TRANSPOSITION

A Practical course of keyboard work for every Piano and Organ Student. PRE-LIMINARY STUDIES IN KEYBOARD HARMONY AND TRANSPOSITION offers an easy means of acquiring an empirical knowledge of Simple Harmony. Volumes I and II may be used in connection with or to follow any Textbook on Harmony.

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The Principal Triads; the Principal Dissonant Chords; the Secondary Triads;
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Suspensions; Anticipations: Modulation; Altered Chords; Organ Point.

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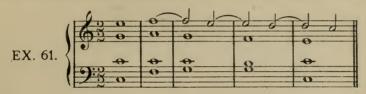
# Keyboard Harmony and Transposition.

VOL. II.

SUSPENSIONS, ANTICIPATIONS, MODULATION, ALTERED CHORDS, ORGAN-POINT. SUSPENSIONS.

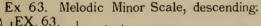
Unless otherwise indicated, every Major Exercise and Illustration must be transposed into every Major Key through the CIRCLE OF FIFTHS and the CIRCLE OF FOURTHS (see Volume I;) and every Minor Exercise and Illustration must be transposed into every Minor Key through the CIRCLE OF FIFTHS and the CIRCLE OF FOURTHS.

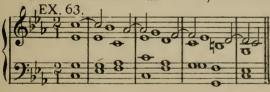
Exercise 61. A plain Cadence with suspensions in Soprano. Transpose into all keys through the ALTERNATING MAJOR and MINOR CIRCLE, (see Volume I).



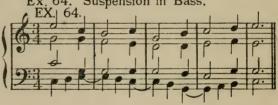
Ex. 62. The same Cadence as above with Suspensions in three parts. Through the ALTERNATING CIRCLE.





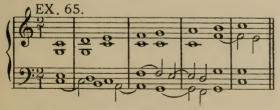


Ex. 64. Suspension in Bass.



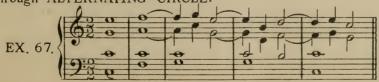
Ex. 65. Suspensions in Middle parts and Bass.

Fx. 66. Delayed Resolutions of Suspensions. Through ALTERNATING CIRCLE.



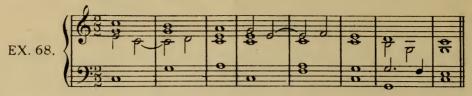


Ex. 67. Same as Ex 66, with Suspensions and Delayed Resolutions in more than one part. Through ALTERNATING CIRCLE.



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Ex. 68. Suspensions from below.



III. LVI. Pick out the Suspensions and Resolutions, and name them while playing.



Ill. LVII. Pick out the Suspension and Resolution, and name them while playing.



Ex. 69. Point out the difference between SUSPENSION and ANTICIPATION, and take Ex. 69 through the ALTERNATING CIRCLE.



Ill. LVIII. Point out the Anticipation and the Resolution, and name them while playing.

III. LIX. What is the nature of this Cadence? In what respect does it differ from the last?



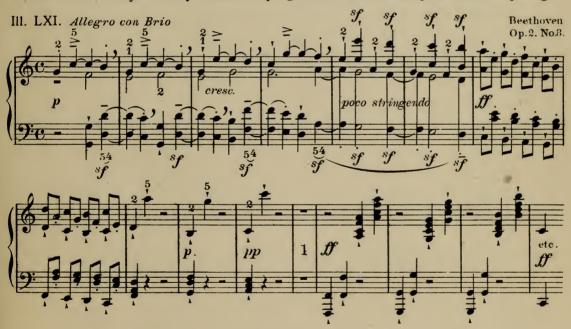


#### ANTICIPATION AND SUSPENSION

Ex.70. Anticipation ascending and Suspension descending.



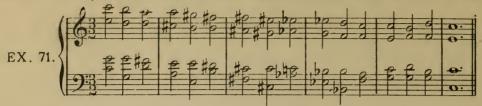
Ill. LXI. Analyze every chord and progression in this excerpt before transposing.



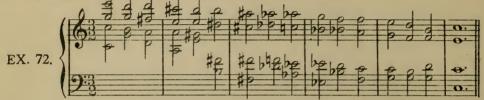
#### **MODULATION**

As a preparation not only for Transposition of passages containing MODULATIONS, but for the practice of MODULATION itself, there is nothing better than playing many simple chord-progressions through all the keys. A number of such follow. These progressions should not be memorized, but should be thought out anew every time they are played.

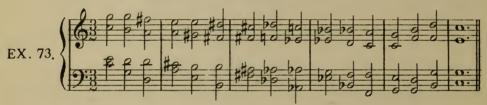
Ex. 71. The Tonic Triads of all the Major Keys through the CIRCLE OF FIFTHS, keeping the COMMON TONE in the same voice, and beginning with the Triad of C in Octave Position, open harmony. In same manner play the Tonic Triads of all Minor Keys



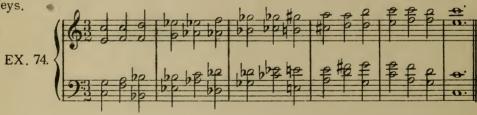
Ex.72. Same Triads as in Ex.71, but beginning with Position of the Third. In same manner play the Tonic Triads of all Minor Keys.



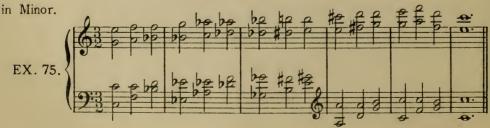
Ex. 73. Same Triads again, but beginning with Position of the Fifth. Also in Minor.



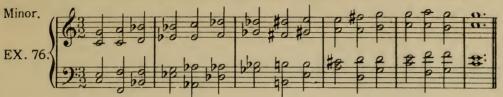
Ex. 74. The Tonic Triads of all Major Keys, keeping the Common-Tone in the same voice, and proceeding through the CIRCLE OF FOURTHS. Begin with the Triad of C in Octave Position, Open Harmony. In same manner play the Tonic Triads of all Minor Keys.



Ex. 75. Same Triads as in Ex. 74, but beginning with position of the Third. Also

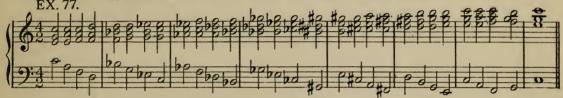


Ex. 76. Same Triads again, but beginning with the Position of the Fifth. Also in

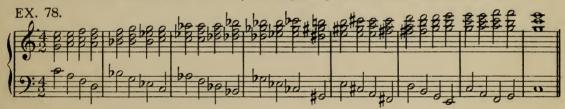


By using the above progressions, very smooth and simple, the sometimes very round-about, modulations may be made. To go from any key to any desired key, begin with the Tonic Triad of the key to be left, and proceed through the Circle to the Dominant or Sub-Dominant of the key to be entered; and finish with a Cadence in the new key. The three Exercises following are useful in the same way.

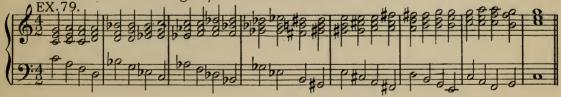
Ex. 77. The Tonic Triads of all Major and Minor keys through the Alternating Circle. In Close Harmony, beginning with the Triad of C in Octave Position. EX. 77.



Ex. 78. Same Triads as in Ex. 77, but beginning with Position of the Third.



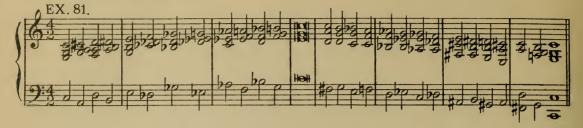
Ex. 79. Same Triads again, but in Position of the Fifth.



Fx. 80. A Modulatory Passage may be built of a succession of Chords of the Seventh. It may be begun anywhere, and terminated with a Cadence when the Dominant - Seventh of the required key has been reached. Analyze every chord when playing this lesson.



Ex. 81. Or of a succession of Dominant-Sevenths and Tonic Triads. Analyze every chord when playing this exercise.



Ex. 82. An exercise showing the easy transition through Major, Minor, Diminished, etc. triads. This must be played through all the triads until C Major is again reached.



TRANSPOSITION OF MODULATIONS

In transposing Modulations it is necessary to notice the relation the old key and the new key bear to each other, and also the chord through which the modulation is made.

Ex. 83. From the Major Key to the Minor on its II. Notice that the Second-Inversion of the New Tonic follows the old Tonic (after a passing-note in the bass). It is then followed by the Dominant-Seventh, and the Tonic of the new key in Direct Form. Transpose, beginning the Modulation with every Major Triad (through the Circles) in succession.



Ex. 84. From the Major Key to the Minor on its III. Analyze as above and transpose into all keys.



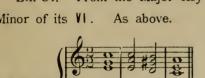
Ex. 85. From the Major Key to the Major of its IV. As above.



Ex. 86. From the Major Key Major of its V. As above.



From the Major Key to the Minor of its VI. As above.



From the Major Key to Minor of its VII. As above.



A few Modulations in which the Dominant-Seventh or Ninth of the new key is used directly after the old Tonic. Proceed with analyzing and transposing as above.



Ex. 90. A few Modulations in which the Super-Tonic or the Super-Tonic Seventh of the new key is used directly after the old Tonic. As above.



The following examples are taken from the Supplement to Max Reger's Theory of Modulation. Every one must be analyzed before transposing. Notice that only in one instance a passing-note is used - in No.6. With the exception of this note (b; second note in tenor) every note is a chord-tone. Also notice that in every modulation the last four chords are: Major or Minor Sub-Dominant or its Substitute: the Super-Tonic; Second Inversion of the Tonic; Dominant or Dominant-Seventh; Tonic.

Transpose; beginning the Modulation with every Major Triad in succession, through the Circles.

No. 1.— From the Major Key to the Major of its II.



No. 3.—From the Major Key to the Major of its III.



No.5. — From the Major Key to the Major of its V.



No.7. — From the Major Key to the Minor of its VI.



No. 2. — From the Major Key to the Minor of its II.



No.4. From the Major Key to the Minor of its III.



No. 6.— From the Major Key to the Major of its VI.



No. 8. — From the Major Key to the Major of its VII.



No. 9. From the Minor Key to the Minor of its V. Transpose; beginning the Modulation with every Minor Triad in succession, through the Circles.



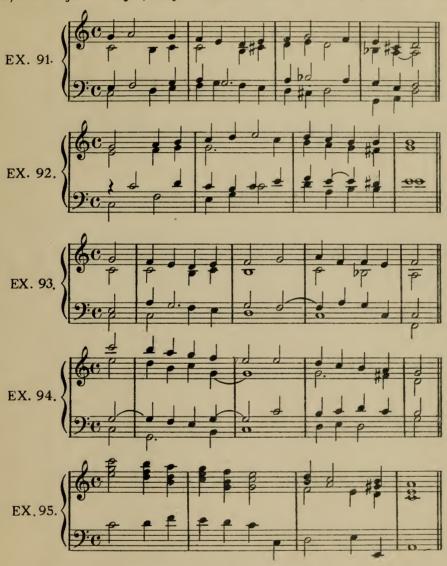
No. 10. - From the Minor Key to the Minor of its II.

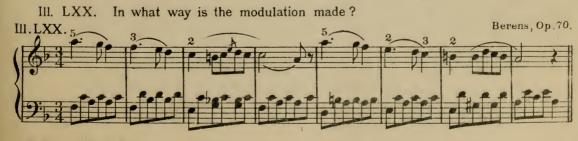


Analyze every Illustration and Exercise and transpose into all keys through the Circles. III, LXII. O GENTLE SAVIOUR Arthur Sullivan III. LXIII. Beethoven Op. 31- No. 1. III. LXIV. Allegretto all'Ungherese Czerny Op. 599. Gurlilt Op. 326.



The student who has carefully worked through the preceding material for TRANS-POSITION including the exercises in MODULATION will find it an easy matter to play original Modulations. Especially useful to the Church Organist is the ability to play smooth modulatory passages. A number of such follow. They should be transposed into all keys. In each case the final triad may be Major or Minor. The student must then draw on his practical key-board knowledge and play many original passages, from Major to Major; Major to Minor; Minor to Major.





C. F. S. Co. 1702-23.

Ill. LXXI. Notice that this modulation is not to the Dominant, but to the Minor Dominant.



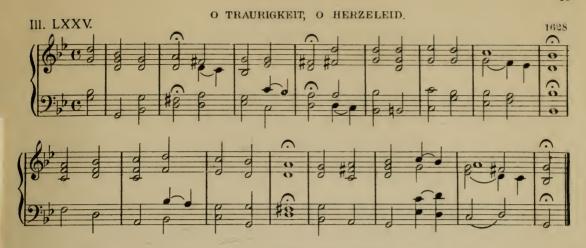
Ill. LXXII. Notice that the theme in this illustration is first given in Minor; and then note for note in the Relative Major.



A few old German Chorales for transposing. Notice the many secondary chords and modulations. III. LXXIII. IN ALLEN MEINEN THATEN

Johann Adam Hiller (?)





RESOLUTIONS of the DOMINANT SEVENTH-CHORD

Those resolutions of the Dominant-Seventh Chord in which this chord progresses to some other chord than the Tonic, are closely related to the subject of Modulation, because they are so often used as a means of modulation.

In the following example the Dominant-Seventh Chord progresses in turn to every other chord of the key. Transpose the example into every Major Key.



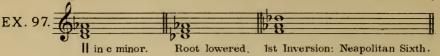
In the following Illustration from Schumann this chord progresses into the various chords marked. Transpose the Major Illustrations into Major; and the Minor into Minor.



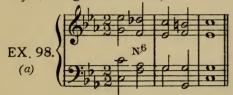
#### ALTERED CHORDS

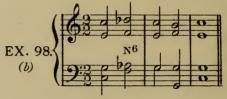
#### THE NEAPOLITAN SIXTH CHORD

Ex. 97. Origin of the NEAPOLITAN SIXTH CHORD. Play in every Minor Key.



Exs. 98, (a & b). Cadence in Minor and also in Major, employing the NEAPOLITAN SIXTH CHORD. Transpose these and all following exercises and illustrations into all keys through the Circles.





III. LXXVII. Same chord with root below.



The following examples of Modulations employing the Neapolitan Sixth Chord are from the Supplement to Max Reger's Theory of Modulation. Every one must be analyzed before transposing. Notice that in all but No.17 the Neapolitan Sixth belongs to the old key. Also notice the particular form of cadence in each. Transpose; beginning the Modulation with every Major Triad in succession, through the Circles.

No.11.—From the Major Key to the Major of its Minor Sixth.



No. 13.— From the Major Key to the Major of its Diminished Fifth.



No.12.—From the Major Key to the Major of its Minor Second.



No.14.— From the Major Key to the Major of its Diminished Octave.



No. 15. — From the Minor Key to the Major of its Diminished Fifth. Traspose; beginning the Modulation with every Minor Triad in succession, through the Circles.



No. 16. From the Minor Key to the Major of its Diminished Octave.

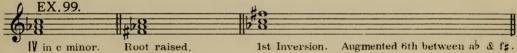
No.17. From the Major Key to the Minor of its Seventh.





AUGMENTED SIXTH CHORDS.

Ex. 99. Orign of the ITALIAN AUGMENTED SIXTH CHORD.



EX. 100 & 101. The ITALIAN AUGMENTED SIXTH CHORD in Cadences, Major and Minor.

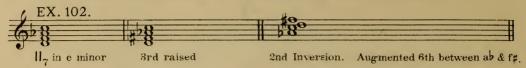
EX. 101.

Beethoven, Op. 18. No. 2.

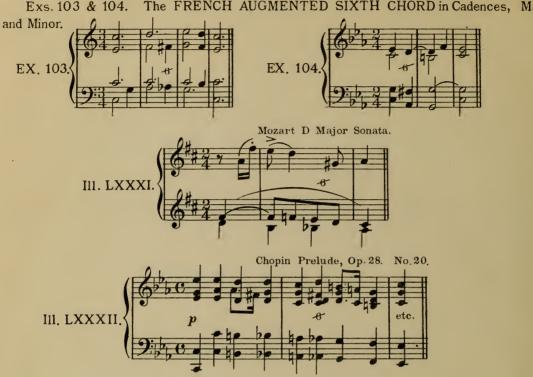
Mendelssohn, S. W. W. Nc. 22.

MacDowell, Op. 55. No. 8.

Ex. 102. Origin of the FRENCH AUGMENTED SIXTH CHORB.



The FRENCH AUGMENTED SIXTH CHORD in Cadences, Major Exs. 103 & 104.

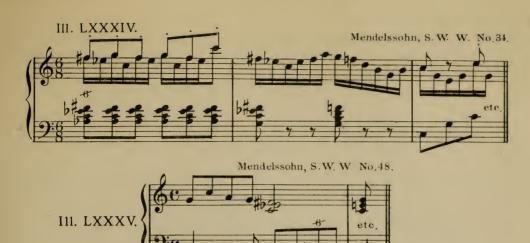


Ex. 105. Origin of the GERMAN AUGMENTED SIXTH CHORD.

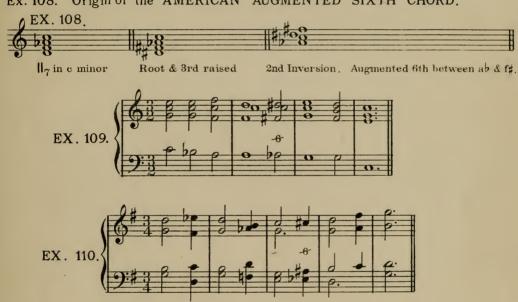


Exs. 106 & 107. Cadences employing the GERMAN AUGMENTED SIXTH CHORD.





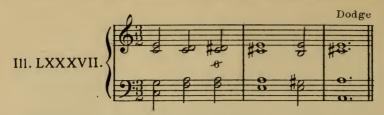
Ex. 108. Origin of the AMERICAN AUGMENTED SIXTH CHORD.



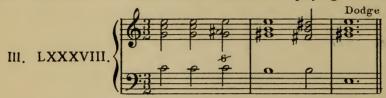
Ex. 111. A comparison of the ITALIAN, FRENCH, GERMAN, and AMERICAN AUGMENTED SIXTH CHORDS. Notice that the German and American are the same by enharmonic change. Some authorities claim that the German Sixth is often written for the American Sixth: for instance, that III. LXXXV is incorrectly notated — that ebshould be d#.



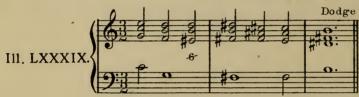
Ill. LXXXVIII. - A modulation to the Sub-Mediant, employing the Aug. 6th Chord.



Ill. LXXXVIII. - A modulation to Mediant, employing the Aug. 6th Chord.



Ill. LXXXIX.-A modulation to Leading-Tone, employing the Aug. 6th Chord.



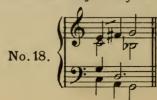
THE DORIAN SIXTH.

In the Harmonic Minor Scale, as we know, the sixth scale-step is minor; in the Melodic Minor Scale, on the contrary, it is Major. This Major sixth in the Minor Scale is called the DORIAN SIXTH.

This sixth is found in the Sub-Dominant Triad and in its Substitute, the Super-Tonic; hence these two chords are called the CHORDS of the DORIAN SIXTH. In the scale of c minor, harmonic, the Sub-Dominant triad is: f ab c: the Dorian Sixth Chord is: f a c. The Super-Tonic Triad is: d f ab; the Dorian Sixth Chord is: d f a. As in the Melodic Minor Scale, this Major Sixth must always be led up into the seventh of the Scale. Notice that is this chord, or these chords, the word "Sixth" does not refer to an interval of the chord (as is the case in the "Neapolitan Sixth" the "Augmented Sixth" etc.) but to the sixth scale-step.

The following examples of Modulations employing the DORIAN SIXTH CHORDS are taken from the Supplement to Max Reger's Theory of Modulation. Every one must be analyzed before transposing. Notice that in all of them the Dorian Sixth is in the new key. Transpose; beginning the Modulation with every Major Triad in succession, through the Circles. Notice that in Nos. 18 and 19, the Dorian Sixth Chord is the Sub-Dominant; while in No. 20 it is the Super-Tonic. In these Modulations the upward progression of the Dorian Sixth is marked, so as to be easily recognized.

No. 18.- From the Major Key to the Minor of its Fifth.



No. 19.— From the Major Key to the Minor of its Minor Sixth. Notice in this example the Neapolitan Sixth Chord of the old key, is the Dorian Sixth Chord of the New Key.

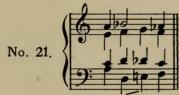


No. 20.-From the Major Key to the Minor of its Minor Third.



Nos. 21, 22 and 23 are from Minor to Minor. Transpose; beginning the Modulation with every Minor Triad in succession, through the Circles. Notice that No. 21 uses the Dorian Sixth Chord on the Sub-Dominant; Nos 22 and 23 on the Super-Tonic.

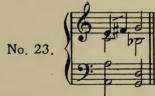
No. 21.- From the Minor Key to the Minor of its Minor Sixth.



No. 22.—From the Minor Key to the Minor of its Minor Third.



No. 23. From the Minor Key to the Minor of its Minor Seventh.



#### **ORGAN-POINT**

Transposition of passages containing ORGAN-POINT is greatly simplified if the note or notes to be repeated or sustained are first fixed in the mind. Remember, it is almost invariably the Tonic or Dominant, or both. For the remainder, proceed as in any other Transposition.

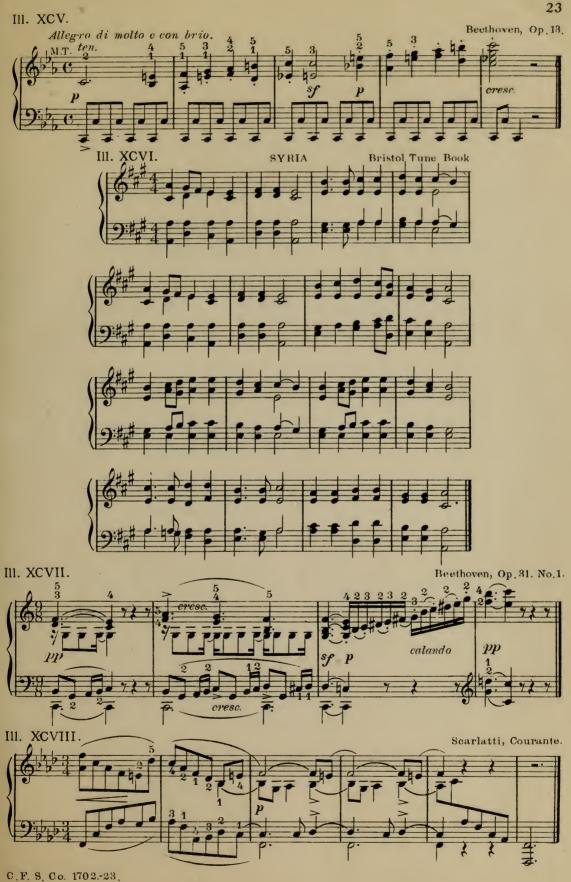
SICILY

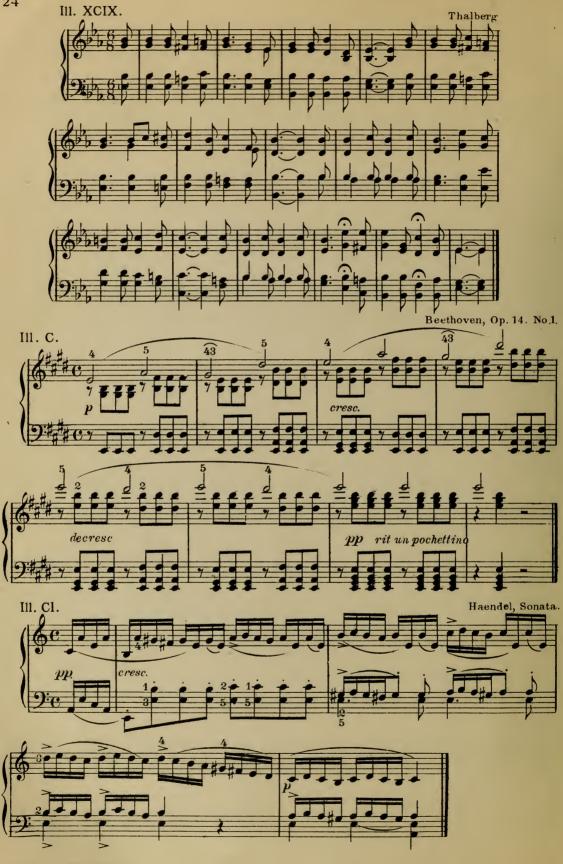
Sicilian Melody



Ill. XCI. What is the name of the chord that contains the bbb?







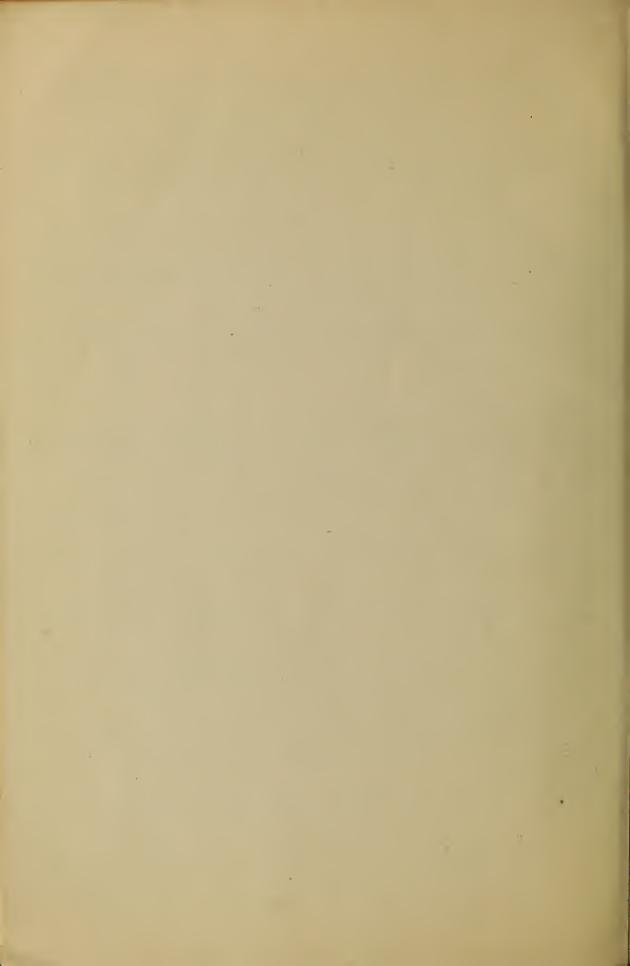
C.F. S.Co. 1702.23.

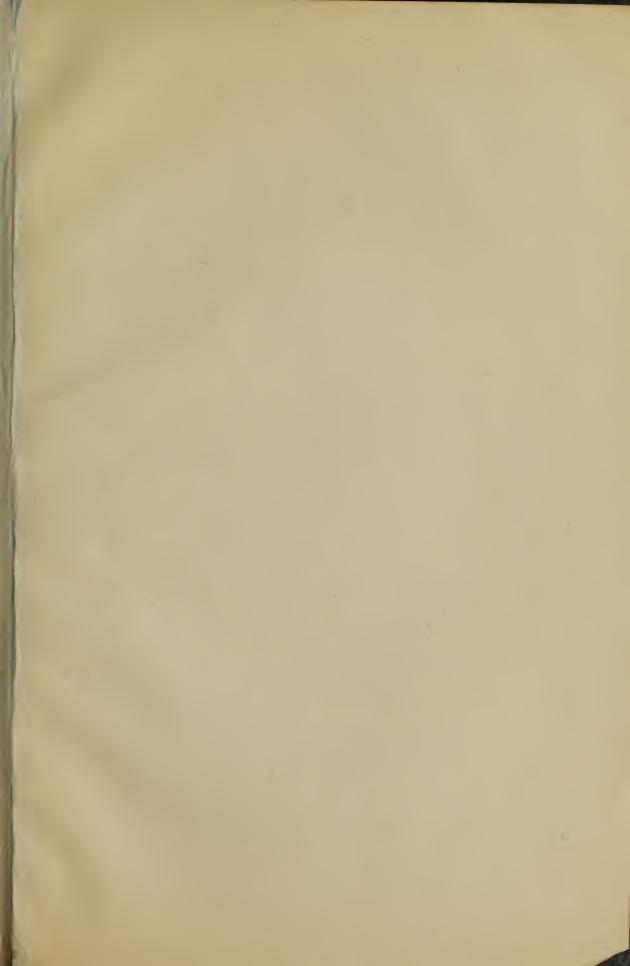


This closes the work of Transposition as founded on the harmony of the Classic School.

The transposition of Modern Music, in which the chords and keys are not so manifest as in the Classic, presents new problems. Though frequently a passage might be susceptible of various interpretations, it is generally possible to find fundamental chords and to consider all the tones that do not fall in with these, in the relation of Passing Notes, Changing Notes, Suspensions, Anticipations, Substitutions, etc.

Bearing these points in mind, the student who has faithfully completed the foregoing pages will have no special difficulty in transposing anything necessary in the further pursuance of his studies.





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The fact that MUSICIANSHIP is TODAY the basis of piano education is due largely to the pedagogical contributions of Calvin B. Cady.

His aim was not to put forth an arbitrary system but to offer in the above three volumes AN INSPIRA-TIONAL INCENTIVE TO CREATIVE TEACHING.

His whole pedagogy is founded upon the faith that nothing is of any worth in education which is not the expression of an inner concept.

Teachers of the NEW EDUCATION would do well to acquaint themselves thoroly with one of the principal sources of modern pedagogy.



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All library items are subject to recall at any time.

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